

P a t e n t   c l a i m s

1.

A service oriented telecommunication system adapted to provide subscriber related  
 5 services to system associated subscribers, said telecommunication system including a  
 network side service executor for execution of said subscriber related services,  
 characterised in  
 a user terminal side service handler operatively associated with said network side  
 service executor, said network side service executor being adapted to communicate  
 10 directly with corresponding network side service executors of corresponding service  
 oriented telecommunication systems.

2.

System according to claim 1, characterised in that the service handler  
 15 provides a user interface for initiating a call.

3.

System according to claim 2, characterised in that said service executor is  
 adapted to convey to a signalling handler a call set-up request and information received  
 20 from said service handler.

4.

System according to any of the previous claims, characterised in  
 a service configuration element in communication with said service executor and  
 25 adapted to convey service configuration information to said service executor.

5.

System according to any of the previous claims 3 or 4, characterised in that  
 said call set-up request and information is according to H.323 or SIP.

30

6.

A method of initiating a call in a service oriented telecommunication system, said  
 system including an originating side service executor, signalling handler and media  
 handler, characterised in  
 35 providing a service handler having a user interface for initiating a call and connected to  
 said service executor,

providing by a call originator a call trigger input to said service handler by means of said user interface,

conveying a call set-up request and/or information from said service handler to said service executor,

- 5 exchanging call originator and call destination service information between said originating side service executor and a corresponding destination side service executor, evaluating said call originator and call destination service information to detect a service interaction problem, and
- 10 sending, if no service interaction problem is detected, from said service executor to said signalling handler a call set-up request, or,
- 15 sending, if a service interaction problem is detected, from said service executor to said service handler information indicating a service interaction problem.

7.

- 15 The method of claim 6, `characterised in` that it further includes:  
Establishing, on basis of said call set-up request, a call having an associated media channel by said originating side signalling handler and a corresponding destination side signalling handler, and, then,
- 20 exchanging media between said originating side media handler and a corresponding destination side media handler by a said media channel.

8.

A service oriented telecommunication system having an architecture conforming to a layered model, `characterised in` that said architecture includes:

- 25 A service layer having a network side service executor and a user terminal side service handler, said user terminal side service handler being adapted to communicate with said service executor and having a call trigger input, said network side service executor being provided with a communication port adapted to communicate with a corresponding service layer network side service executor of another network.

9.

The telecommunication system of claim 8, `characterised in` that said architecture further includes:

- 30 a signalling layer having a network side signalling handler and a user terminal signalling handler, said user terminal signalling handler being adapted to communicate with said network side signalling handler, said network side signalling handler being adapted to communicate with said network side service executor, and

a media layer having a network side media handler and a user terminal side media generator, said user terminal side media generator being adapted to communicate with said network side media handler, said network side media handler being adapted to communicate with said signalling layer network side signalling handler.

10.

The telecommunication system of claim 9, characterised in that said signalling layer network side signalling handler is provided with a communication port adapted to communicate with a corresponding signalling layer network side-signalling handler of another network.

11.

The telecommunication system of claim 9 or 10, characterised in that said media layer network side media handler is provided with a communication port adapted to communicate with a corresponding media layer network side media handler of another network.

12.

The telecommunication system of claim 8 - 10, characterised in that said service layer network side service executor, signalling layer network side signalling handler and media layer network side media handler are adapted to communicate with an associated unit of said system by messages according to H.323 or SIP.